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	ccaaacaaag gcgaggcg	18
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	gggcaacatt gacataaagt gtttgcgtac tctc	34

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 <210> 1705
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 <400> 1705
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 <210> 1706
 <211> 20
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 <400> 1706
 ggttcgaatt ccatgtcatc 20

<210> 1707
 <211> 26
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 <400> 1707
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 catcttccag gagcgtgcgc c 21
 <210> 1709
 <211> 23
 <212> DNA
 <213> Artificial Sequence
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 <400> 1709
 cacttgattt tggagggatc tca 23
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 <211> 14
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<220>
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 <400> 1710
 aaaagtggct cctc 14
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 <222> (15)..(15)
 <223> The modified nucleotide at this position is biotinylated thymidin
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 aaaatgtacg ccgctc 16

<210> 1713
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 <221> modified_base
 <222> (18) .. (18)
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 aaaagatacg ccacagctc 19
 <210> 1714
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 <213> Artificial Sequence
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 <223> Synthetic
 <220>
 <221> modified_base
 <222> (19) .. (19)
 <223> The modified nucleotide at this position is biotinylated thymidin
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<220>
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 <222> (16)..(16)
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 <211> 32
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 <213> Artificial Sequence
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 <400> 1716
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 <210> 1717
 <211> 29
 <212> DNA
 <213> Artificial Sequence
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 <400> 1717
 cggaggaagc agttggtgcc cctcgttaa 29
 <210> 1718
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 <212> DNA
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 <223> Synthetic
 <400> 1718
 cggaagaagc agttggtgcg cctcgttaa 29
 <210> 1719
 <211> 29
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<213> Artificial Sequence

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<223> Synthetic

<400> 1719

cggaagaagc agttggtgcg cctcgtaa

29

<210> 1720

<211> 29

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<213> Artificial Sequence

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<223> Synthetic

<400> 1720

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<210> 1721

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1721

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29

<210> 1722

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1722

cggaagaagc agttggtgcg cctcgtaa

29

<210> 1723

<211> 28

<212> DNA

<213> Artificial Sequence
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 cggaagaagc agttggaggc gtgacggt 28
 <210> 1724
 <211> 28
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 <213> Artificial Sequence
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 <400> 1724
 cggaagaagc agttggaggc gtgacgga 28
 <210> 1725
 <211> 28
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 <400> 1725
 cggaagaagc agttggaggc gtgacgga 28
 <210> 1726
 <211> 28
 <212> DNA
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 <223> Synthetic
 <400> 1726
 cggaagaagc agttggaggc gtgacggt 28
 <210> 1727
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<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1727

cggaagaagc agttggaggc gtgacggt

28

<210> 1728

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1728

cggaagaagc agttggaggc gtgacggt

28

<210> 1729

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1729

cggaagaagc agttggaggc gtgacgga

28

<210> 1730

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye

<400> 1730

caacgcttcc tc

12

<210> 1731
 <211> 13
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> misc_feature
 <222> (4)..(4)
 <223> The residue at this position is linked to a spacer bearing a Cy3 dye
 <400> 1731
 caacgcttcc tcc 13
 <210> 1732
 <211> 14
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> misc_feature
 <222> (4)..(4)
 <223> The residue at this position is linked to a spacer bearing a Cy3 dye
 <400> 1732
 caacgcttcc tccg 14
 <210> 1733
 <211> 16
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> The residue at this position is linked to a spacer bearing a Cy3 dye
 <400> 1733
 caacgcttcc tccguu 16
 <210> 1734
 <211> 18
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1734
 caacgcttcc tccguuuu 18
 <210> 1735
 <211> 14
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> misc_feature
 <222> (4)..(4)
 <223> The residue at this position is linked to a spacer bearing a Cy3 dye
 <400> 1735
 caacgcttcc tccg 14
 <210> 1736
 <211> 31
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic

<220>
 <221> misc_feature
 <222> (30)..(30)
 <223> The residue at this position is attached to a C18 linker.
 <220>
 <221> modified_base
 <222> (31)..(31)
 <223> The modified nucleotide at this position is dideoxy cytosine.
 <400> 1736
 cgaaattaat acgccttctt gggcatgtac c 31
 <210> 1737
 <211> 31
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> misc_feature
 <222> (30)..(30)
 <223> The residue at this position is linked to a C18 linker.
 <220>
 <221> modified_base
 <222> (31)..(31)
 <223> The modified nucleotide at this position is dideoxy cytosine.
 <400> 1737
 cgaaattaat acgccttctt gggcatgtac c 31
 <210> 1738
 <211> 23
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic

<220>
 <221> modified_base
 <222> (23)..(23)
 <223> The modified nucleotide at this position is dideoxy cytosine.
 <400> 1738
 ctgaagatgt ttcagttctg tgc 23
 <210> 1739
 <211> 22
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1739
 gaagatgttt cagttctgtg gc 22
 <210> 1740
 <211> 27
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1740
 tcacttccta ccttcttggg catgtaa 27
 <210> 1741
 <211> 30
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1741
 tcacttccta ccttcttggg catgtaaaac 30

<210> 1742
 <211> 28
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> misc_feature
 <222> (27)..(27)
 <223> The residue at this position is attached to a C18 linker.
 <220>
 <221> modified_base
 <222> (28)..(28)
 <223> The modified nucleotide at this position is dideoxy cytosine.
 <400> 1742
 tcacttctcta ccttcttggg catgtaac 28
 <210> 1743
 <211> 22
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> modified_base
 <222> (22)..(22)
 <223> The modified nucleotide at this position is dideoxy cytosine.
 <400> 1743
 gaagatgttt cagttctgtg gc 22

<210> 1744
 <211> 27
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1744
 acttcctact taattccatt caaaatc

27

<210> 1745
 <211> 28
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> misc_feature
 <222> (27)..(27)
 <223> The residue at this position is attached to a C18 linker.
 <220>
 <221> modified_base
 <222> (28)..(28)
 <223> The modified nucleotide at this position is dideoxy cytosine.
 <400> 1745
 acttcctact taattccatt caaaatcc

28

<210> 1746
 <211> 24
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic

<220>
 <221> modified_base
 <222> (24)..(24)
 <223> The modified nucleotide at this position is dideoxy cytosine.
 <400> 1746
 gagtttggga ttcttgtaat tatc 24
 <210> 1747
 <211> 36
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1747
 cgtgttctgt ggcgtatctt aattccattc aaaatc 36
 <210> 1748
 <211> 36
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1748
 cgtgttctgt ggcgtatctt aattccattc aaaatc 36
 <210> 1749
 <211> 24
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic

<220>
 <221> modified_base
 <222> (24)..(24)
 <223> The modified nucleotide at this position is dideoxy cytosine.
 <400> 1749
 gagtttggga ttcttgtaat tatc 24
 <210> 1750
 <211> 41
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1750
 cgtgttctgt ggcgtatctt aattccattc aaaatcatct g 41
 <210> 1751
 <211> 41
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1751
 cgtgttctgt ggcgtatctt aattccattc aaaatcatct g 41
 <210> 1752
 <211> 39
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1752
 cgtgttctgt ggcgtatctt aattccattc aaaatcatc 39

<210> 1753

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1753

cgtgttctgt ggcgtatctt aattccattc aaaatcatc

39

<210> 1754

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (24)..(24)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1754

gagtttgga ttcttgtaat tatic

24

<210> 1755

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1755

ttctactct tgatcttcat tgtgc

25

<210> 1756
 <211> 21
 <212> DNA
 <213> Artificial Sequence
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 <223> Synthetic
 <400> 1756
 ctcaggagga gcaatgatct t 21
 <210> 1757
 <211> 18
 <212> DNA
 <213> Artificial Sequence
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 <223> Synthetic
 <400> 1757
 ctcaggagga gcaatgat 18
 <210> 1758
 <211> 29
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> misc_feature
 <222> (28)..(28)
 <223> The residue at this position is attached to a C18 linker.
 <220>
 <221> modified_base
 <222> (29)..(29)
 <223> The modified nucleotide at this position is dideoxy cytosine.
 <400> 1758
 tcacttccta ctctgggtca tcttctcgc 29

<210> 1759
 <211> 29
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> misc_feature
 <222> (28)..(28)
 <223> The residue at this position is attached to a C18 linker.
 <220>
 <221> modified_base
 <222> (28)..(28)
 <223> The modified nucleotide at this position is dideoxy cytosine.
 <400> 1759
 tcacttcta ctctgggtca tcttctgc 29
 <210> 1760
 <211> 24
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> modified_base
 <222> (24)..(24)
 <223> The modified nucleotide at this position is dideoxy cytosine.
 <400> 1760
 gtgttgaagg tctcaaacad gatc 24
 <210> 1761
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic
 <220>
 <221> modified_base
 <222> (26)..(26)
 <223> The modified nucleotide at this position is dideoxy cytosine.
 <400> 1761
 ggggtgttgaa ggtctcaaac atgac 26
 <210> 1762
 <211> 33
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1762
 cgtgttctgt ggcgtatctg ggatcatcttc tcg 33
 <210> 1763
 <211> 33
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1763
 cgtgttctgt ggcgtatctg ggatcatcttc tcg 33
 <210> 1764
 <211> 26
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic

<220>
 <221> modified_base
 <222> (26)..(26)
 <223> The modified nucleotide at this position is dideoxy cytosine.
 <400> 1764
 ggggtgttgaa ggtctcaaac atgac 26
 <210> 1765
 <211> 28
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1765
 ttcatacggg ttgtagttga ggtcaatg 28
 <210> 1766
 <211> 28
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1766
 ttcatacggg ttgtagttga ggtcaatg 28
 <210> 1767
 <211> 28
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1767
 ggaatcatat tggaacatgt aaaccatc 28

<210> 1768
 <211> 26
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1768
 ttcatacggg tggctcctgg aagatg 26
 <210> 1769
 <211> 26
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1769
 ttcatacggg tggctcctgg aagatg 26
 <210> 1770
 <211> 23
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1770
 cacttgattt tggagggatc tca 23
 <210> 1771
 <211> 28
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1771
 ttcatacggg tggtagttga ggtcaatg 28

<210> 1772
 <211> 28
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1772
 agaatcatatc tggaaacatgt agaccatc 28
 <210> 1773
 <211> 19
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1773
 tggcgtatca tgtagttga 19
 <210> 1774
 <211> 19
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1774
 tggcgtatca tgtagttga 19
 <210> 1775
 <211> 25
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1775
 ggagtcatac tggaaacatgt agacc 25

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<212>	DNA	
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<223>	Synthetic	
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	tggcgtatca ttagttga	19
<210>	1777	
<211>	23	
<212>	DNA	
<213>	Artificial Sequence	
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	agtcatactg gaacatgtag aca	23
<210>	1778	
<211>	25	
<212>	DNA	
<213>	Artificial Sequence	
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<223>	Synthetic	
<400>	1778	
	ggagtcatac tggaacatgt agaca	25
<210>	1779	
<211>	21	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic	
<400>	1779	
	tggcgtatct cttttctcat t	21

<210>	1780	
<211>	21	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic	
<400>	1780	
	tggcgtatct cttttctcat t	21
<210>	1781	
<211>	26	
<212>	DNA	
<213>	Artificial Sequence	
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<223>	Synthetic	
<400>	1781	
	acaatcagaa ttgccattgc acaaca	26
<210>	1782	
<211>	21	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic	
<400>	1782	
	gaaggcagag gaccgtgagg c	21
<210>	1783	
<211>	21	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic	
<400>	1783	
	gaaggcagag gaccgtgagg c	21

<210> 1784
 <211> 22
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1784
 aagacatctg gtgttgtagt ga 22
 <210> 1785
 <211> 23
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1785
 tggcgtatct ccccagagaa agc 23
 <210> 1786
 <211> 23
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1786
 tggcgtatct ccccagagaa agc 23
 <210> 1787
 <211> 25
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1787
 cactgagccg atgaagcgat ggtaa 25

<210> 1788
 <211> 23
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1788
 tggcgtatct agggctccaa gag 23
 <210> 1789
 <211> 23
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1789
 tggcgtatct agggctccaa gag 23
 <210> 1790
 <211> 25
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1790
 gtgttcaggt tttggaggcg gataa 25
 <210> 1791
 <211> 21
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1791
 tggcgtatct agggctccaa g 21

<210> 1792
 <211> 21
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1792
 tggcgatatct agggctccaa g 21
 <210> 1793
 <211> 25
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1793
 gtgttcaggt tttggaggcg gataa 25
 <210> 1794
 <211> 11
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> misc_feature
 <222> (4)..(4)
 <223> The residue at this position is linked to a spacer bearing a Cy3
 dye
 <400> 1794
 attctctcag a 11

<210> 1795
 <211> 12
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> misc_feature
 <222> (4)..(4)
 <223> The residue at this position is linked to a spacer bearing a Cy3 dye
 <400> 1795
 attctctcag ac 12
 <210> 1796
 <211> 13
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> misc_feature
 <222> (4)..(4)
 <223> The residue at this position is linked to a spacer bearing a Cy3 dye
 <400> 1796
 attctctcag act 13
 <210> 1797
 <211> 26
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 1797
 cagtctgaga tgaatgatac gccagg 26

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<211>	16	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic	
<400>	1798	
	cttggagccc tagata	16
<210>	1799	
<211>	15	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic	
<400>	1799	
	cttggagccc tagat	15
<210>	1800	
<211>	14	
<212>	DNA	
<213>	Artificial Sequence	
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<223>	Synthetic	
<400>	1800	
	cttggagccc taga	14
<210>	1801	
<211>	20	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic	
<400>	1801	
	ctggcgtatc tagggctcca	20

<210>	1802	
<211>	21	
<212>	DNA	
<213>	Artificial Sequence	
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<223>	Synthetic	
<400>	1802	
	cctggcgtat ctaggctcc a	21
<210>	1803	
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 <223> Synthetic

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> The residue at this position is linked to a spacer bearing a Cy3 dye

 <400> 2173
 caacgcttcc tccg 14

 <210> 2174
 <211> 27
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 <400> 2174
 ccaggaagca agtgggtgcgc ctcgttt 27

 <210> 2175
 <211> 13
 <212> DNA
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 <222> (3)..(3)
 <223> The residue at this position is linked to a Z21 quenching group.

 <400> 2175
 cactgcttcg tgg 13

 <210> 2176
 <211> 28
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 <220>
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<400> 2176
cggaagaagc agttggaggc gtgacggt 28

<210> 2177

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
dye

<400> 2177
caacgcttcc tccg 14

<210> 2178

<211> 28

<212> DNA

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<220>

<223> Synthetic

<400> 2178
cggaagaagc agttggaggc gtgacggc 28

<210> 2179

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
dye

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caacgcttcc tccg	14
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ccaggaagca agtggaggcg tgacggu	27
<210> 2181	
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<400> 2181	
cactgcttcg tgg	13
<210> 2182	
<211> 28	
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cggaggaagc agttggtgat ctcggcgg	28

<210> 2183
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 <223> The residue at this position is linked to a spacer bearing a Cy3 dye

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 <210> 2184
 <211> 28
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 <220>
 <223> Synthetic

 <400> 2184
 cggaagaagc agttggtgat ctcggcgg 28

 <210> 2185
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 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> misc_feature
 <222> (4)..(4)
 <223> The residue at this position is linked to a spacer bearing a Cy3 dye

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 caacgcttcc tccg 14

<210> 2186
 <211> 29
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 <213> Artificial Sequence
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 <223> Synthetic
 <400> 2186
 gctactgaga tgaaggagac gtgactgta 29
 <210> 2187
 <211> 14
 <212> DNA
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 <220>
 <223> Synthetic
 <220>
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 <222> (4)..(4)
 <223> The residue at this position is linked to a spacer bearing a Cy3
 dye
 <400> 2187
 cttctctcag tagc 14
 <210> 2188
 <211> 30
 <212> DNA
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 <223> Synthetic
 <400> 2188
 ccgaggaagc ggttgcgtac gactgggtaa 30

<210> 2189
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 <222> (4)..(4)
 <223> The residue at this position is linked to a spacer bearing a Cy3 dye
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 caacgcttcc tccg 14
 <210> 2190
 <211> 29
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 2190
 cggaggaagc ggttggtgcg ggtggttg 29
 <210> 2191
 <211> 14
 <212> DNA
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 <220>
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 <222> (4)..(4)
 <223> The residue at this position is linked to a spacer bearing a Cy3 dye
 <400> 2191
 caacgcttcc tccg 14

<210> 2192
 <211> 14
 <212> DNA
 <213> Artificial Sequence
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 <223> Synthetic
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 <221> misc_feature
 <222> (4)..(4)
 <223> The residue at this position is linked to a spacer bearing a Cy3 dye
 <400> 2192
 caacgcttcc tccg 14
 <210> 2193
 <211> 12
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> misc_feature
 <222> (4)..(4)
 <223> The residue at this position is linked to a spacer bearing a Cy3 dye
 <400> 2193
 attctctcag ac 12
 <210> 2194
 <211> 14
 <212> DNA

<213> Artificial Sequence
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 <222> (4)..(4)
 <223> The residue at this position is linked to a spacer bearing a Cy3 dye
 <400> 2194
 taacgcttcc tccg 14
 <210> 2195
 <211> 14
 <212> DNA
 <213> Artificial Sequence
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 <223> Synthetic
 <220>
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 <222> (3)..(3)
 <223> The residue at this position is linked to a Dabcyl quencher.
 <400> 2195
 caatgcttcc tccg 14
 <210> 2196
 <211> 14
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> misc_feature
 <222> (3)..(3)
 <223> The residue at this position is linked to a Z21 quenching group.

<400> 2196
ctcttctcag tgcg

14

<210> 2197

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 2197
cactgcttcg tgg

13

<210> 2198

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z28 quenching group.

<400> 2198
cactgcttcg tgg

13

<210> 2199

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature
 <222> (4)..(4)
 <223> The residue at this position is linked to a spacer bearing a Cy3 dye
 <400> 2199
 cttctctcag ac 12
 <210> 2200
 <211> 28
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 2200
 cggaggaagc agttggaggc gtgacggt 28
 <210> 2201
 <211> 29
 <212> DNA
 <213> Artificial Sequence
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 <223> Synthetic
 <400> 2201
 cggaggaagc agttgtggcg gtgacggtt 29
 <210> 2202
 <211> 28
 <212> DNA
 <213> Artificial Sequence
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 <223> Synthetic
 <400> 2202
 cagtctgaga tgaatgagac gagagagt 28

<210> 2203
 <211> 29
 <212> DNA
 <213> Artificial Sequence
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 <223> Synthetic
 <400> 2203
 cggaggaagc ggtagtctg tcacgtcat 29
 <210> 2204
 <211> 29
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 2204
 cggaggaagc ggtagtctg ccacgtcat 29
 <210> 2205
 <211> 29
 <212> DNA
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 <223> Synthetic
 <400> 2205
 cggagaagc agttggtgcg cctcgtaa 29
 <210> 2206
 <211> 29
 <212> DNA
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 <400> 2206
 cggaggaagc agttggtgcg cctcgtaa 29

<210> 2207

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2207

cggaggaagc agttgcggcg tgcggct

27

<210> 2208

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2208

gcgcagttag aatgaggagg cgtgacggu

29

<210> 2209

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2209

ccaggaagca agtggtgcgc ctcguuu

27

<210> 2210

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2210

cagtctgaga tgaatgatac gccagg

26

<210> 2211
 <211> 29
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 <400> 2211
 agtctgagat gaaggagacg tgactgtgg 29
 <210> 2212
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 cggaggaagc ggttggtgat ctggcg 27
 <210> 2213
 <211> 29
 <212> DNA
 <213> Artificial Sequence
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 <400> 2213
 tctgtggcgt atccttcttg ggcattgaa 29
 <210> 2214
 <211> 26
 <212> DNA
 <213> Artificial Sequence
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 <223> Synthetic
 <400> 2214
 gtggcgatc cttcttgggc atgtaa 26

<210> 2215
 <211> 23
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 2215
 gcgtatcctt cttgggcatg taa 23
 <210> 2216
 <211> 22
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> modified_base
 <222> (22)..(22)
 <223> The modified nucleotide at this position is a dideoxy cytosine.
 <400> 2216
 gaagatgttt cagttctgtg gc 22
 <210> 2217
 <211> 25
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> modified_base
 <222> (23)..(23)
 <223> The modified nucleotide at this position is biotinylated deoxyadenosine
 <400> 2217
 aaaagatagc ccacagaaca cgatt 25

<210> 2218
 <211> 26
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 2218
 tggcgtatct taattccatt caaaat 26
 <210> 2219
 <211> 26
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 2219
 tgggagtttg ggattcttgt aattaa 26
 <210> 2220
 <211> 19
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> modified_base
 <222> (18)..(18)
 <223> The modified nucleotide at this position is biotinylated deoxythymidine
 <400> 2220
 aaaagatagc ccacagctc 19

<210> 2221
 <211> 27
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 2221
 tggcgtatct aattattaat tccattc 27
 <210> 2222
 <211> 25
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 2222
 atcctgggtga gtttgggatt cttga 25
 <210> 2223
 <211> 19
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <220>
 <221> modified_base
 <222> (18)..(18)
 <223> The modified nucleotide at this position is biotinylated deoxythymidine
 <400> 2223
 aaaagatacg ccacagctc 19

<210> 2224
 <211> 26
 <212> DNA
 <213> Artificial Sequence
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 <223> Synthetic
 <400> 2224
 tggcgtatct tccattcaaa atcatc 26
 <210> 2225
 <211> 25
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 2225
 gtttgggatt cttgtaatta ttaaa 25
 <210> 2226
 <211> 19
 <212> DNA
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 <223> Synthetic
 <220>
 <221> modified_base
 <222> (18)..(18)
 <223> The modified nucleotide at this position is biotinylated deoxythy
 midine
 <400> 2226
 aaaagatacg ccacagctc 19

<210> 2227
 <211> 22
 <212> DNA
 <213> Artificial Sequence
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 <223> Synthetic
 <400> 2227
 gtggcgtatc cttcttgggc at 22
 <210> 2228
 <211> 22
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic
 <400> 2228
 gaagatgttt cagttctgtg gc 22
 <210> 2229
 <211> 19
 <212> DNA
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 <223> Synthetic
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 <221> modified_base
 <222> (18)..(18)
 <223> The modified nucleotide at this position is biotinylated deoxythy
 midine
 <400> 2229
 aaaagatacg ccacagctc 19

<210> 2230
 <211> 23
 <212> DNA
 <213> Artificial Sequence
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 <223> Synthetic
 <400> 2230
 tggcgtatct ctgggtcatc ttc 23
 <210> 2231
 <211> 25
 <212> DNA
 <213> Artificial Sequence
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 <223> Synthetic
 <400> 2231
 ggggtgttgaa ggtctcaaac atgaa 25
 <210> 2232
 <211> 19
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 <223> The modified nucleotide at this position is biotinylated deoxythy
 midine - - - - -
 <400> 2232
 aaaagatagc ccacagctc 19

<210> 2233
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 tggcgtatct cttgatcttc attgt 25
 <210> 2234
 <211> 25
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 <220>
 <223> Synthetic
 <400> 2234
 acttgcgctc aggaggagca atgaa 25
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 <221> modified_base
 <222> (18)..(18)
 <223> The modified nucleotide at this position is biotinylated deoxythymidine
 midine
 <400> 2235
 aaaagatacg ccacagctc 19

<210> 2236
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 tggcgtatct gatctgggctc atct 24
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 tggctgggggt gttgaaggctc tcaaacaa 28
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 aaaagatacg ccacagctc 19

<210> 2239
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 acccgatatct gcccgaggaag ga 22
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 <400> 2240
 agtttcgtgg atgccacagg agaccaa 27
 <210> 2241
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 agtttcgtgg atgctacagg agaccaa 27
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 aaaagatacg ccacagctc 19

<210> 2243
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 tggcgtatct ctcaaacaatg atct 24
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 acgtacatgg ctgggggtggt gaagga 26
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 aaaagatacg ccacagctc 19

<210> 2246
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 tggctgggggt gttgaagggtc tcaaacaa 28
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 midine
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 aaaagatacg ccacagctc 19

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 ccgtcacgcc tcgccttggg gttc 24
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 tctgggtcat cttctcgcgg ttga 24
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 gaaccccaag gcgaggcgt 19
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 ccgtcacgcc catgggtcat cttct 25

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	ctctctcgtc tctgctgaca atc	23
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	ctctctcgtc tctaccagga aatg	24

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	gctgtagccg tattcattgt caa	23
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	ctctctcgtc tctccttgga ag	22
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	catttgatgt tagtgggggc tcga	24
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	tcttccagga gagacg	16
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	ctctctcgtc tctctctgga ag	22
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 cttccaggag gagacg 16
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 ctctctcgtc tctaccagga aatg 24
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 gctgtagccg tattcattgt caa 23
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 catttcctgg tagagacg 18

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	atgacgtgac agacctcctg gaagatg	27
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